

**Municipalidad de San Pedro**  
**Departamento Ejecutivo**



HONORABLE CONCEJO DELIBERANTE DE SAN PEDRO

MESA DE ENTRADAS

Expte. N° 3130/14

Fecha de Entrada: 12/05/14

Firma: [Firma] 12<sup>30</sup> Hs.

San Pedro, 09 de Mayo de 2014 .-

**Presidente del Honorable Concejo**  
**Deliberante de San Pedro**  
**Don Mario Leandro Barbieri**  
**S/D.**

**Ref.: EXPEDIENTE 4107-1786/14**  
**S/Comunicación 06/14 del HCD**

De mi mayor consideración:

Tengo el agrado de dirigirme a Ud. a efectos de elevar Expediente de Ref. adjuntando información sobre lo solicitado a través de la COMUNICACIÓN N°06/14 de vuestro cuerpo legislativo.

En el mismo, a Fs.2, el Centro de Cómputos de la Municipalidad de San Pedro, informa que el Hospital cuenta con un total de:

- 19 (diecinueve) Cámaras;
- 1 (un) Switch;
- 1 (un) UPS;
- 1 (un) Servidor de video.

Todo ello con su respectivo material ilustrativo (Fs.3 a 13) acompañado de Plano del Hospital con ubicación de los sistemas de seguridad y vigilancia. Cabe aclarar que la Cámara N° 15, según Plano de referencia, se encuentra dañada por vandalismo.

Asimismo, se adjunta Nota y CD del actual Secretario de Salud, Dr. Javier Sualdea con información del estado edilicio del referido nosocomio.

Sin otro particular, y a la espera de que lo enviado sea de vuestra utilidad, saludo muy atentamente.

**Pablo Guillermo Guacone**  
**Intendente**  
**Municipalidad de San Pedro**

AÑO 2014

PROVINCIA DE BUENOS AIRES

MUNICIPALIDAD DE SAN PEDRO

NUMERO UNICO - FECHA

4107 - 1786 / 14

Alcance Nº

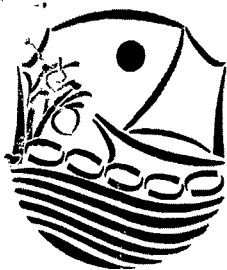
Cuerpo Nº

Con Anexos

Iniciado por Secretaría  
de Gobierno

Extracto

Comunicación Nº 06 del HCD - Solicita  
informes.



Secretaría de Gobierno  
**Municipalidad de San Pedro**



San Pedro, 19 de Marzo de 2014.-

Oficina de Cómputos  
Sr. Marcelo Bisi  
S / D



4107-1786/14

20 MAR 2014

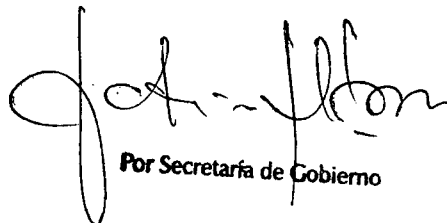
De mi consideración:

Remito la presente a fin de que informe los siguientes puntos:

- a) Cantidad de cámaras de seguridad que se encuentran instaladas en el Hospital, tanto en los pasillos como en el resto del inmueble, comprendiendo también todo el perímetro del mismo.
- b) Si las mismas se encuentran conectadas y en funcionamiento coordinado con el área de vigilancia y monitoreo del municipio.

En caso afirmativo, informe período de tiempo durante el cual el Departamento Ejecutivo reserva la grabación de las filmaciones reservadas.

Sin más, saludo muy atte.

  
Por Secretaría de Gobierno

San Pedro, Abril 1° de 2014

**Sr. Secretario de Gobierno**  
**Lic. Raúl Cheyllada**  
**Su despacho**



Exp. De referencia: 4107-1786/14

De mi consideración:

Por la presente informo que el Hospital Subzonal "Dr. Emilio Ruffa" de San Pedro cuenta con los siguientes sistemas de seguridad y vigilancia instalados, a saber:

1. 13 (trece) cámaras IP, Marca VIVOTEK, Modelo BB5315
2. 6 (Seis) cámaras IP, Marca VIVOTEK, Modelo BB5116
3. 1 (Un) Switch Marca ALLIED TELESIS, Modelo AT-800S/24POE
4. 1 (un) UPS Marca, APC, Modelo APC Smart-UPS 1000VA RMI2U
5. 1 (Un) Servidor de video. PC INTEL core i5, monitor LCD 20", 4GB RAM, HDD 500GB (En la puesta en marcha se solicitó ampliar la capacidad de almacenamiento a 4TB).

Actualmente las cámaras están funcionando, a la fecha no hemos recibido en esta área ningún reclamo de desperfectos de operativos por parte de los encargados de dicho nosocomio

Se adjunta especificaciones de cada equipo, plano distribución de cámaras.

La cámara número 15 (quince) según plano de referencia se encuentra dañada por vandalismo.

Todas las cámaras se encuentran conectadas bajo cableado estructurado.

Sin más, lo saluda atte.

**Marcelo Bisi**  
Centro de cómputos  
Municipalidad de San Pedro

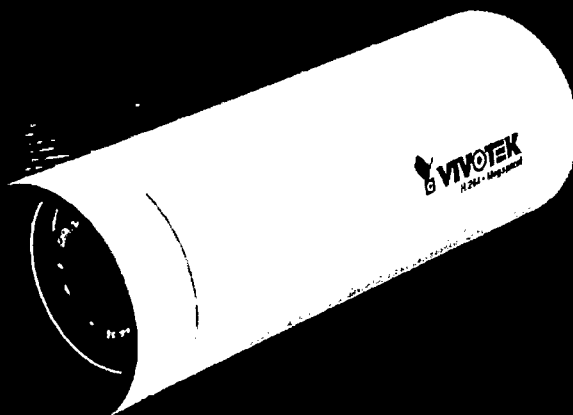


ONVIF

# BB5315

Network Bullet Camera

**H.264 • Outdoor • Day & Night**



VIVOTEK BB5315 is a best-in-class, bullet-style network camera designed for diverse outdoor applications. Equipped with a 1MP sensor enabling viewing resolution of 1280x800 at a smooth 30 fps, the BB5315 is an all-in-one outdoor camera capable of capturing high quality and high resolution video.

In order to adapt to constantly changing outdoor lighting conditions, the BB5315 features a removable IR-cut filter as well as IR illuminators effective up to 15M for superior image quality around the clock. For protection against harsh outdoor environments, the camera is encased in an IP66-rated housing and weather-proof casing to withstand rain and dust.

The BB5315 supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With H.264, MPEG-4, and MJPEG compatibility all included, multiple streams can be simultaneously transmitted in any of these formats at different resolutions, frame rates, and image qualities for versatile platforms. The streams can also be individually configured to meet different needs or bandwidth constraints, thereby further optimizing bandwidth and storage.

Incorporating a number of advanced features standard for VIVOTEK cameras, including tamper detection, 802.3af compliant PoE, and VIVOTEK's 32-channel recording software, the BB5315 is the ideal solution for your outdoor surveillance needs.

## Features

- > 1/4" CMOS Sensor in 1280 X 800 Resolution
- > Removable IR-cut Filter for Day and Night Function
- > Built-in IR Illuminators, Effective up to 15 Meters
- > Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- > Multiple Simultaneous Streams
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Weather-proof IP66-rated Housing
- > Tamper Detection for Unauthorized Changes
- > Built-in 802.3af Compliant PoE
- > Digital Input for External Sensor
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability



## Specifications

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |                                                                                                                                                                                                                                                                  |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Lens</b>                       | <ul style="list-style-type: none"> <li>Board lens, f = 3.6 mm, F1.8, Fixed</li> <li>IR corrected</li> <li>Removable IR-cut filter for day &amp; night function</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Housing</b>                                   | <ul style="list-style-type: none"> <li>Weather-proof IP66-rated housing</li> </ul>                                                                                                                                                                               |
| <b>Angle of View</b>              | <ul style="list-style-type: none"> <li>56° (horizontal)</li> <li>41° (vertical)</li> <li>71° (diagonal)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Approvals</b>                                 | <ul style="list-style-type: none"> <li>CE, LVD, FCC, VCCI, C-Tick, UL</li> </ul>                                                                                                                                                                                 |
| <b>Shutter Time</b>               | <ul style="list-style-type: none"> <li>1/5 sec. to 1/25,000 sec.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Operating Environments</b>                    | <ul style="list-style-type: none"> <li>Temperature: -20 ~ 50 °C (-4 ~ 122 °F)</li> <li>Humidity: 90% RH</li> </ul>                                                                                                                                               |
| <b>Image Sensor</b>               | <ul style="list-style-type: none"> <li>1/4" CMOS sensor in 1280 x 800 resolution</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Viewing System Requirements</b>               | <ul style="list-style-type: none"> <li>OS: Microsoft Windows 7/Vista/XP/2000</li> <li>Browser: Mozilla Firefox, Internet Explorer 6.x or above</li> <li>Cell phone: 3GPP player</li> <li>Real Player: 10.5 or above</li> <li>Quick Time: 6.5 or above</li> </ul> |
| <b>Minimum Illumination</b>       | <ul style="list-style-type: none"> <li>0 Lux / F1.8 (IR LED on)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Installation, Management, and Maintenance</b> | <ul style="list-style-type: none"> <li>Installation Wizard 2</li> <li>32-CH ST7501 recording software</li> <li>Supports firmware upgrade</li> </ul>                                                                                                              |
| <b>IR Illuminators</b>            | <ul style="list-style-type: none"> <li>Built-in IR illuminators, effective up to 15 meters</li> <li>IR LED*12</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Applications</b>                              | <ul style="list-style-type: none"> <li>SDK available for application development and system integration</li> </ul>                                                                                                                                               |
| <b>Video</b>                      | <ul style="list-style-type: none"> <li>Compression: H.264, MJPEG &amp; MPEG-4</li> <li>Streaming: <ul style="list-style-type: none"> <li>Simultaneous multiple streams</li> <li>H.264 streaming over UDP, TCP, HTTP or HTTPS</li> <li>MPEG-4 streaming over UDP, TCP, HTTP or HTTPS</li> <li>MPEG-4 multicast streaming</li> <li>MJPEG streaming over HTTP or HTTPS</li> </ul> </li> <li>Supports activity adaptive streaming for dynamic frame rate control</li> <li>Supports 3GPP mobile surveillance</li> <li>Frame rates: <ul style="list-style-type: none"> <li>H.264: Up to 30/25 fps at 1280x800</li> <li>MPEG-4: Up to 30/25 fps at 1280x800</li> <li>MJPEG: Up to 30/25 fps at 1280x800</li> </ul> </li> </ul> | <b>Warranty</b>                                  | <ul style="list-style-type: none"> <li>12 months</li> </ul>                                                                                                                                                                                                      |
| <b>Image Settings</b>             | <ul style="list-style-type: none"> <li>Adjustable image size, quality and bit rate</li> <li>Time stamp and text caption overlay</li> <li>Flip &amp; mirror</li> <li>Configurable brightness, contrast, saturation, sharpness and white balance</li> <li>AGC, AWB, AES</li> <li>Automatic, manual or scheduled day/night mode</li> <li>Supports privacy masks</li> </ul>                                                                                                                                                                                                                                                                                                                                                 | <b>System Overview</b>                           |                                                                                                                                                                                                                                                                  |
| <b>Networking</b>                 | <ul style="list-style-type: none"> <li>10/100 Mbps Ethernet, RJ-45</li> <li>Onvif Support</li> <li>Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP and 802.1X</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  |                                                                                                                                                                                                                                                                  |
| <b>Alarm and Event Management</b> | <ul style="list-style-type: none"> <li>Triple-window video motion detection</li> <li>Tamper detection</li> <li>One D/I for external sensor</li> <li>Event notification using HTTP, SMTP or FTP</li> <li>Local recording of MP4 file</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>External and Internal View</b>                |                                                                                                                                                                                                                                                                  |
| <b>Security</b>                   | <ul style="list-style-type: none"> <li>Multi-level user access with password protection</li> <li>IP address filtering</li> <li>HTTPS encrypted data transmission</li> <li>802.1X port-based authentication for network protection</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |                                                                                                                                                                                                                                                                  |
| <b>Users</b>                      | <ul style="list-style-type: none"> <li>Live viewing for up to 10 clients</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |                                                                                                                                                                                                                                                                  |
| <b>Dimension</b>                  | <ul style="list-style-type: none"> <li>Ø 60 mm x 170 mm</li> <li>Cable length: 400 mm</li> <li>Cable diameter: Ø 12 mm; Ring: Ø 18 mm</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |                                                                                                                                                                                                                                                                  |
| <b>Weight</b>                     | <ul style="list-style-type: none"> <li>Net: 702 g</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |                                                                                                                                                                                                                                                                  |
| <b>Power</b>                      | <ul style="list-style-type: none"> <li>12V DC</li> <li>24V AC</li> <li>Power consumption: Max. 4 W</li> <li>802.3af compliant Power-over-Ethernet (Class 2)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  |                                                                                                                                                                                                                                                                  |

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## Fixed Network Camera

# BB5116

2-Megapixel • H.264 • Day & Night



VIVOTEK BB5116 is a professional-series fixed network camera featuring superb image quality and exceptional bandwidth efficiency. It is especially suitable for wide open spaces such as building entrances and airports, or applications requiring accurate identification, such as human faces in banks or vehicle license plates in parking lots.

Featuring a 2-Megapixel sensor, this camera is able to provide a wide field of view with exceptional detail when compared to a standard VGA camera, significantly reducing the number of camera installations. The ePTZ function enables users to focus on close-up shots of different areas in the camera's view without moving the camera physically. Users can quickly move to a target area by simply clicking on the video feed from the camera on their screen. In addition, the BB5116 can deliver user-defined thumbnails for viewing instead of video of an entire scene so as to optimize bandwidth and storage efficiency.

The BB5116 supports H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With MPEG-4 and MJPEG compatibility, video streams can also be transmitted in either of these formats for versatile applications. The streams can also be individually configured to meet different needs or bandwidth constraints, thereby further reducing bandwidth and storage requirements. Users can receive multiple streams simultaneously in different resolutions, frame rates and image qualities for viewing on different platforms.

Thanks to its day and night function achieved by a built-in removable IR-cut filter, the BB5116 is able to maintain clear images 24 hours a day. Additionally, the BB5116 camera incorporates an adjustment ring to improve lens compatibility with either C- or CS-mount lens, providing system integrators with more flexibility and hassle-free installation for different applications.

The integrated BNC connector allowing the BB5116 to be connected directly to an analog monitor provides enhanced flexibility and usability and ease of installation. Together with PoE, QoS, activity adaptive streaming, and the included 32-CH central management software, the BB5116 is indisputably the top choice for reliable and high performance surveillance.

 **VIVOTEK**  
BUILT WITH RELIABILITY

## Technical Specifications

### System

- CPU: TI DM365 SoC
- Flash: 128MB
- RAM: 256MB
- Embedded OS: Linux 2.6

### Lens

- CS-mount, vari-focal,  $f = 3.1 \sim 8 \text{ mm}$ , F1.2, auto-iris
- Removable IR-cut filter for day & night function

### Angle of View

- $32.9^\circ \sim 80.6^\circ$  (horizontal)
- $24.7^\circ \sim 60.0^\circ$  (vertical)
- $41.0^\circ \sim 102.1^\circ$  (diagonal)

### Shutter Time

- 1/5 sec. to 1/40,000 sec.

### Image Sensor

- 1/3.2" CMOS sensor in 1600x1200 resolution

### Minimum Illumination

- 0.001 Lux / F1.2 (B/W)

### Video

- Compression: H.264, MPEG-4 & MJPEG
- Streaming:
  - Simultaneous multiple streams
  - H.264 streaming over UDP, TCP, HTTP or HTTPS
  - MPEG-4 streaming over UDP, TCP, HTTP or HTTPS
  - MPEG-4 multicast streaming
  - MJPEG streaming over HTTP or HTTPS
- Supports activity adaptive streaming for dynamic frame rate control
- Supports video cropping for bandwidth efficiency
- Supports ePTZ for data efficiency
- Supports 3GPP mobile surveillance
- Frame rates:
  - H.264:
    - Up to 30 fps at 1280x720
    - Up to 15 fps at 1600x1200
  - MPEG-4:
    - Up to 30 fps at 1280x720
    - Up to 15 fps at 1600x1200
  - MJPEG:
    - Up to 30 fps at 1280x720
    - Up to 15 fps at 1600x1200
- Interface:
  - BNC connector for video output
  - NTSC/PAL video output switch

### Image Settings

- Adjustable image size, quality and bit rate
- Time stamp and text caption overlay
- Flip & mirror
- Configurable brightness, contrast, saturation, sharpness, white balance and exposure
- AGC, AWB, AES
- Automatic, manual or scheduled day/night mode
- BLC (Backlight Compensation)
- Supports privacy masks

### Audio

- Compression:
  - GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps
  - MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps
  - G.711 audio encoding, bit rate: 64 kbps,  $\mu$ -Law or A-Law mode selectable
- Interface:
  - Built-in microphone
  - External microphone input
  - Audio output
  - External/Internal microphone switch
- Supports two-way audio
- Supports audio mute

### Networking

- 10/100 Mbps Ethernet, RJ-45
- Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTMP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, and 802.1x
- Onvif Support

### Alarm and Event Management

- Triple-window video motion detection
- Tamper detection
- One D/I and one D/O for external sensor and alarm
- Event notification using HTTP, SMTP or FTP
- Local recording of MP4 file

### Security

- Multi-level user access with password protection
- IP address filtering
- HTTPS encrypted data transmission
- 802.1X port-based authentication for network protection

### Users

- Live viewing for up to 10 clients

### Weight

- Net: 664 g

### LED Indicator

- System power and status indicator
- System activity and network link indicator

### Power

- 12V DC
- 24V AC
- Power consumption: Max. 8 W
- 802.3af compliant Power-over-Ethernet

### Approvals

- CE, LVD, FCC, VCCI, C-Tick

### Operating Environments

- Temperature:  $0 \sim 50^\circ\text{C}$  ( $32 \sim 122^\circ\text{F}$ )
- Humidity: 90% RH

### Viewing System Requirements

- OS: Microsoft Windows 7/Vista/XP/2000
- Browser: Mozilla Firefox, Internet Explorer 7.0 or above
- Cell phone: 3GPP player
- Real Player: 10.5 or above
- Quick Time: 6.5 or above

### Installation, Management, and Maintenance

- RS-485 interface for scanners, pan/tilts
- Installation Wizard 2
- 32-CH ST7501 recording software
- Supports firmware upgrade

### Applications

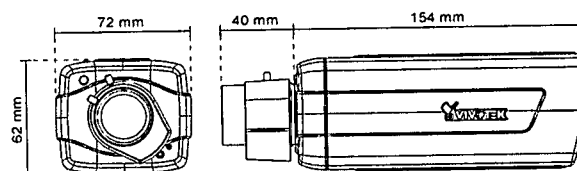
- SDK available for application development and system integration

### Warranty

- 24 months

### Dimension

- 154 mm (D) x 72 mm (W) x 62 mm (H)



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Ver 1.0



## AT-8000S/24POE

### Layer 2 Stackable Fast Ethernet Switch

#### AT-8000S/24POE

24 port stackable 10/100TX Power over Ethernet switch with 2 active SFP bays (unpopulated) and 2 standby 10/100/1000T ports (RJ-45)

#### Overview

One of a series of stackable switches from Allied Telesis, the AT-8000S/24POE provides high performance Layer 2 switching in an affordable fixed configuration platform combined with Power over Ethernet to provide power to edge devices including IP phones and wireless access points. This switch offers 24 10/100 ports, two fixed SFP Combo slots plus two integrated stacking connectors that deliver a total of 4Gbps stacking bandwidth. The stacking capability integrated into this platform is configured as a resilient ring topology designed to provide high reliability and simplified management for higher port density applications.

#### Combined Ethernet and Power for Branch Office and Wiring Closet Connectivity

Powerful line rate performance and stackability make this switch ideal for branch offices or the wiring closet of larger offices where power is needed for remote devices. The state-of-the-art QoS capability of this product ensures reliable delivery of advanced network services such as voice while effectively controlling the continually increasing traffic needs found in today's networks.

#### Easy Access Networking

Featuring an industry standard CLI and Allied Telesis' intuitive yet fully featured Web interface the advanced features of the AT-8000S/24POE are accessible to a wide range of system administrators. The well known CLI and Web interfaces significantly reduce learning time and minimize the cost of deployment.

#### Secure Management

Only authorized administrators can access the management interface of the 8000S series. Protocols such as SSL, SSH and SNMPv3 facilitate this protection of your network with local or remote connections.

#### Securing the Network Edge

To ensure the protection of your data, it is important to control access to your network. Protocols such as IEEE 802.1x port-based authentication guarantee that only known users are connected to the network. Unknown users who physically connect can be isolated to a pre-determined part of your network offering guests such benefits as Internet access while ensuring the integrity of your private network data.

#### Gigabit and Fast Ethernet SFP Support

All switches in the 8000S family support both Gigabit and Fast Ethernet Small Form-factor Pluggables (SFPs). This makes the 8000S series an ideal family for environments where Gigabit fiber switches will be phased-in over time. The 8000S family allows for connectivity to the legacy 100FX hardware until it is upgraded to Gigabit. Support for both speeds of SFPs allows organizations to stay within budget as they migrate to faster technologies.

#### Key Features

##### Easy, Well Known Management

- Industry standard CLI
- Simple intuitive, fully featured Allied Telesis Web Interface
- Secure encrypted Web and CLI management with SSHv2 and SSL
- SNMP
- Two level access privileges

##### Power over Ethernet

- Provides standards-based IEEE 802.3af Power over Ethernet to all 24 10/100 ports
- Support for up to 24 class 2 powered devices at 7.3 watts
- Support for up to 12 class 3 powered devices at 15.4 watts

##### Affordable Truly Stackable 10/100 Switching Platform

- Single IP address stack management
- 4G resilient ring stacking architecture
- Across stack link aggregation
- Across stack VLAN configuration
- Across stack port mirroring
- Redundant standby stack master

##### All the QoS Needed in the Wiring Closet for Today's Voice and Data Networking

- Eight priorities assigned to four queues
- IEEE 802.1p for Layer 2 QoS
- DSCP (DiffServ) for Layer 3 QoS
- IEEE 802.1p to DSCP remarking traffic ready for transport to the Layer 3 core of the network
- Layer 2 and Layer 3 ACL

##### Securing the Network at its Most Vulnerable Point

- IEEE 802.1x and RADIUS network login: for advanced control of user authentication and accountability
- Guest VLAN: to ensure visitors or unauthorized users connect only to services defined by IT e.g. Internet
- TACACS+: for ease of management security administration
- Layer 2 and Layer 3 ACL
- Port MAC address security options





# AT-8000S/24POE | Layer 2 Stackable Fast Ethernet Switch

## System Configuration

|             |                                      |
|-------------|--------------------------------------|
| Dimensions  | 44cm x 25.7cm x 4.3cm                |
| (W x D x H) | (17.3" x 10.1" x 1.7")               |
| Weight      | 3.7kg                                |
| Mounting    | 19" rack-mountable hardware included |

## System Capacity

|                      |       |
|----------------------|-------|
| 64MB RAM             |       |
| 16MB flash memory    |       |
| 400Mhz CPU           |       |
| Up to 4,096 VLAN ID  |       |
| 8,000 MAC address    |       |
| Packet buffer memory | 1Mbit |

## Performance

|                                                                |          |
|----------------------------------------------------------------|----------|
| Wirespeed switching on all Ethernet ports for all packet sizes |          |
| Throughput                                                     | 9.52Mpps |
| Switching capacity                                             | 12.8Gbps |

|      |               |
|------|---------------|
| MTBF | 194,113 hours |
|------|---------------|

Store and forward mode  
Non-blocking switch fabric  
Auto MDI/MDI-X

|          |            |
|----------|------------|
| Latency  |            |
| 10Mbit   | 85.39 µsec |
| 100Mbit  | 17.76 µsec |
| 1000Mbit | 2.72 µsec  |

|                       |                    |
|-----------------------|--------------------|
| Port speed            |                    |
| 10/100TX              | RJ-45              |
| 10/100/1000T          | RJ-45              |
| 100FX, 1000SX, 1000LX | SFP slot           |
| RS232                 | DB9 pin, male port |
| Internal power supply |                    |

## Power over Ethernet

|                                                         |                              |
|---------------------------------------------------------|------------------------------|
| Total power budget                                      | 225W                         |
| For switch                                              | 12V/ 45W                     |
| PoE budget                                              | 50V/ 185W                    |
| PoE max supported IEEE 802.3af class 3 devices (15.4W): | 12 ports                     |
| PoE max supported IEEE 802.3af class 2 devices (7.3W):  | 24 ports                     |
| IEEE 802.af                                             | Power over Ethernet (mode B) |

## Interface Standards

|              |                 |
|--------------|-----------------|
| IEEE 802.3   | 10T             |
| IEEE 802.3u  | 100TX and 100FX |
| IEEE 802.3z  | 1000SX          |
| IEEE 802.3ab | 1000T           |

## General Standards

|             |                            |
|-------------|----------------------------|
| IEEE 802.1D | Bridging                   |
| IEEE 802.3x | BackPressure/ flow control |

## Redundancy Standards

|                         |                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------|
| IEEE 802.1D             | Spanning-Tree Protocol                                                                       |
| IEEE 802.1W             | Rapid Spanning-Tree                                                                          |
| IEEE 802.1s             | Multiple Spanning-Tree                                                                       |
| BPDU guard <sup>1</sup> |                                                                                              |
| IEEE 802.3ad            | LACP link aggregation (with up to eight members per group and up to eight groups per device) |

Static port trunk

## Quality of Services (QoS)

QoS in Layer 2 (IEEE 802.1p compliant Class of Service)  
Traffic prioritization using IEEE 802.1p, ToS, DSCP fields  
Map IEEE 802.1p priorities to CoS queues to prioritize traffic at Egress  
Strict Scheduling and Weighted Round Robin

## VLANs

IEEE 802.1Q VLAN tagging  
Up to 256 VLANs  
Port-based VLANs  
MAC-based VLANs  
Private VLANs  
GARP VLAN Registration Protocol (GVRP)

## Multicast Standards

|          |                        |
|----------|------------------------|
| RFC 1112 | IGMP snooping (ver. 1) |
| RFC 2236 | IGMP snooping (ver. 2) |
| RFC 3376 | IGMP snooping (ver. 3) |
| RFC 3376 | IGMP querier           |

Option to forward/filtering of unregistered MC frames<sup>1</sup>

## IPv6<sup>1</sup>

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| IPv6                          | QoS                                                             |
| IPv6                          | ACL                                                             |
| IPv6                          | Host                                                            |
| RFC 2461                      | IPv6 neighbor discovery                                         |
| RFC 2463                      | ICMPv6: Internet Control Message Protocol version 6             |
| RFC 1981                      | Path MTU discovery                                              |
| Dual-stack IPv4/IPv6 protocol |                                                                 |
| IPv6                          | Tunnelling over IPv4                                            |
| IPv6                          | Network management                                              |
| IPv6                          | Applications: WEB/SSL Telnet server/SSH, AAA/Radius, Management |
| IPv6                          | ACLs, SNMP, PING, TFTP/Copy, Syslog                             |

## Management and Monitoring

|                       |                                               |
|-----------------------|-----------------------------------------------|
| WEB, CLI, Serial      |                                               |
| RFC 1157              | SNMPv1/v2c                                    |
| RFC 2570              | SNMPv3                                        |
| RFC 1213              | MIB-II                                        |
| RFC 1573              | Evolution of MIB-II                           |
| RFC 1215              | TRAP MIB                                      |
| RFC 1493              | Bridge MIB                                    |
| RFC 2863              | Interfaces group MIB                          |
| RFC 1643              | Ethernet like MIB                             |
| RFC 1757              | RMON 4 groups: Stats, History, Alarms, Events |
| RFC 2819              | RMON 4 groups                                 |
| RFC 2674              | IEEE 802.1Q MIB                               |
| RFC 1866              | HTML                                          |
| RFC 2068              | HTTP                                          |
| RFC 854               | Telnet                                        |
| RFC 783               | TFTP                                          |
| LLDP <sup>1</sup>     |                                               |
| IEEE 802.1ab          |                                               |
| LLDP-MED <sup>1</sup> |                                               |
| IP address allocation |                                               |
| RFC 951/ RFC 1542     | BootP/ DHCP                                   |
| DHCP snooping         |                                               |
| Manual                |                                               |

RFC 2030 SNMP, Simple Network Time Protocol  
Syslog event  
Dual software images

Stacking  
Up to six units  
Single system appearance  
Single IP management  
Back-up master  
Full-duplex link with 2Gbps performance  
Link aggregation/trunking across stack  
Port mirroring across stack  
VLAN across stack



## AT-8000S/24POE | Layer 2 Stackable Fast Ethernet Switch

### Security

Management security: username and password protection

|             |                                          |
|-------------|------------------------------------------|
| SSHv2       | Telnet management                        |
| SSLv3       | Web management                           |
| RFC 1492    | TACACS+                                  |
| RFC 2138    | RADIUS Authentication                    |
| IEEE 802.1x | Port-based network access control        |
| IEEE 802.1x | Dynamic VLAN <sup>1</sup>                |
| IEEE 802.1x | RADIUS accounting <sup>1</sup>           |
| IEEE 802.1x | Multi-session mode <sup>1</sup>          |
| IEEE 802.1x | Action on violation <sup>1</sup>         |
| IEEE 802.1x | Single-host violation <sup>1</sup>       |
| IEEE 802.1x | Guest VLAN timeout <sup>1</sup>          |
| IEEE 802.1x | Authentication not-required <sup>1</sup> |

Security login banner<sup>1</sup>

Guest VLANs

|          |                                               |
|----------|-----------------------------------------------|
| RFC 2865 | IEEE 802.1x port-based network access control |
|----------|-----------------------------------------------|

MAC-based network access control

ACL - Access Control Lists

### Fault Protection

Broadcast storm control

### Power Characteristics

|                         |                   |
|-------------------------|-------------------|
| Voltage input           | 100-240V AC       |
| Voltage output          | 48VDC             |
| Current                 | 3.5A              |
| Power consumption       | 236W <sup>2</sup> |
| Power supply efficiency | 72.67%            |
| Heat dissipation        | 768.3 BTU/hour    |
| Clock frequency         | 166Mhz            |
| Acoustic noise          | 50.8dB            |

### Environmental Specifications

|                    |                                |
|--------------------|--------------------------------|
| Operating temp     | 0°C to 40°C (32°F to 104°F)    |
| Storage temp       | -25°C to 70°C (-13°F to 158°F) |
| Relative humidity  | 10% to 90% non-condensing      |
| Storage humidity   | 5% to 95% non-condensing       |
| Operating altitude | Maximum 3,000m (9,843ft)       |

### Electrical/ Mechanical Approvals

|                |                                                                              |
|----------------|------------------------------------------------------------------------------|
| Safety         | UL 1950 (UL/cUL), EN60950 (TUV)                                              |
| EMI            | FCC Class A, EN55022 Class A, VCCI Class A, C-Tick, EN61000-3-2, EN61000-3-3 |
| Immunity       | EN55024                                                                      |
| RoHS compliant |                                                                              |

### Package Description

One AT-8000S/24POE switch  
Power cord AC  
Rack-mount kit  
Rubber feet for desktop installation  
RS232 management cable  
Stacking cable  
Install guide and user guide in CD and at [www.alliedtelesis.com](http://www.alliedtelesis.com)

### Country of Origin

China

### Ordering Information

AT-8000S/24POE-xx

24 port stackable 10/100TX PoE Layer 2 switch with 2 active SFP bays (unpopulated) and 2 standby 10/100/1000T ports (RJ-45)

Where xx = 10 for US power cord  
20 for no power cord  
30 for UK power cord  
40 for Australian power cord  
50 for European power cord

### Accessories

Small Form Pluggables (SFPs)

AT-SPFX/2

Multi-mode fiber, 2km, 100FX, SFP, 1310nm

AT-SPFX/15

Single-mode fiber, 15km, 100FX, SFP, 1310nm

AT-SPFX/40

Single-mode fiber, 40km, 100FX, SFP, 1310nm

AT-SPTX

Copper, GbE Small Form-factor Pluggable (SFP)

AT-SPSX

Multi-mode fiber, GbE Small Form-factor Pluggable (SFP) 850nm

AT-SPLX10

Single-mode fiber, 10km, GbE SFP, 1310nm

AT-SPLX40

Single-mode fiber, 40km, GbE SFP, 1310nm

AT-SPLX40/1550

Single-mode fiber, 40km, GbE SFP, 1550nm

AT-SPZX80

Single-mode fiber, 80km, GbE SFP, 1550nm

AT-SPBD10-13

Single-mode fiber, 10km, GbE SFP, 1310/1490nm, LC-BiDi

AT-SPBD10-14

Single-mode fiber, 10km, GbE SFP, 1490/1310nm, LC-BiDi

<sup>1</sup> New feature on AT-594 version 3.0.0.32

<sup>2</sup> Worst case load condition for actual measured power on sample unit

USA Headquarters | 19800 North Creek Parkway | Suite 100 | Bothell | WA 98011 | USA | T: +1 800 424 4284 | F: +1 425 481 3895  
European Headquarters | Via Motta 24 | 6830 Chiasso | Switzerland | T: +41 91 69769.00 | F: +41 91 69769.11

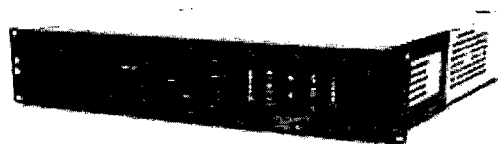
Asia-Pacific Headquarters | 11 Tai Seng Link | Singapore | 534182 | T: +65 6383 3832 | F: +65 6383 3830

[www.alliedtelesis.com](http://www.alliedtelesis.com)

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Connecting The  World

 Allied Telesis



## APC Smart-UPS 1000VA USB & Serial RM 2U 230V

Part Number: SUA1000RMI2U



## Output

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| Output Power Capacity            | 670 Watts / 1000 VA                                        |
| Max Configurable Power           | 670 Watts / 1000 VA                                        |
| Nominal Output Voltage           | 230V                                                       |
| Output Voltage Note              | Configurable for 220 : 230 or 240 nominal output voltage   |
| Output Voltage Distortion        | Less than 5% at full load                                  |
| Output Frequency (sync to mains) | 47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal |
| Crest Factor                     | up to 5 : 1                                                |
| Waveform Type                    | Sine wave                                                  |
| Output Connections               | (4) IEC 320 C13<br>(2) IEC Jumpers                         |



## Input

|                       |                                  |
|-----------------------|----------------------------------|
| Nominal Input Voltage | 230V                             |
| Input Frequency       | 50/60 Hz +/- 3 Hz (auto sensing) |



IEC-320 C14

main operations 160 - 280V

Input voltage adjustable 151 - 302V  
range for mains operation

## Batteries & Runtime

|                                  |                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------|
| Battery Type                     | Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof |
| Typical recharge time            | 3 hour(s)                                                                        |
| Replacement Battery              | <u>RBC23</u>                                                                     |
| RBC™ Quantity                    | 1                                                                                |
| Typical Backup Time at Half Load | 31.6 minutes (335 Watts)                                                         |
| Typical Backup Time at Full Load | 9.1 minutes (670 Watts)                                                          |
| Runtime Chart                    | <u>Smart-UPS</u>                                                                 |

## Communications & Management

|                                         |                                                                                                                             |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Interface Port(s)                       | DB-9 RS-232, SmartSlot, USB                                                                                                 |
| Available SmartSlot™ Interface Quantity | 1                                                                                                                           |
| Control panel                           | LED status display with load and battery bar-graphs and On Line :<br>On Battery : Replace Battery : and Overload Indicators |
| Audible Alarm                           | Alarm when on battery : distinctive low battery alarm : configurable delays                                                 |
| Emergency Power Off (EPO)               | Optional                                                                                                                    |

## Surge Protection and Filtering

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Surge energy rating | 480 Joules                                                                                                          |
| Filtering           | Full time multi-pole noise filtering : 0.3% IEEE surge let-through :<br>zero clamping response time : meets UL 1449 |



## Physical

|                  |           |
|------------------|-----------|
| Maximum Height   | 89.00 mm  |
| Maximum Width    | 432.00 mm |
| Maximum Depth    | 457.00 mm |
| Rack Height      | 2U        |
| Net Weight       | 28.18 KG  |
| Shipping Weight  | 31.45 KG  |
| Shipping Height  | 254.00 mm |
| Shipping Width   | 594.00 mm |
| Shipping Depth   | 603.00 mm |
| Color            | Black     |
| Units per Pallet | 16.00     |

## Environmental

|                                                  |                |
|--------------------------------------------------|----------------|
| Operating Environment                            | 0 - 40 °C      |
| Operating Relative Humidity                      | 0 - 95%        |
| Operating Elevation                              | 0-3000 meters  |
| Storage Temperature                              | -15 - 45 °C    |
| Storage Relative Humidity                        | 0 - 95%        |
| Storage Elevation                                | 0-15000 meters |
| Audible noise at 1 meter<br>from surface of unit | 36.00 dBA      |
| Online Thermal Dissipation                       | 89.00 BTU/hr   |

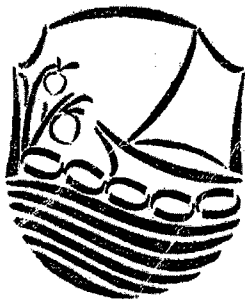
## Conformance

|                          |                                           |
|--------------------------|-------------------------------------------|
| Regulatory Approvals     | C-tick, EN 50091-1, EN 50091-2, GOST, VDE |
| Standard Warranty        | 2 years repair or replace                 |
| Environmental Compliance | RoHS 7b Exemption                         |

\*\*The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.

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**Departamento Ejecutivo  
Municipalidad de San Pedro**



San Pedro (B) 05 de marzo de 2014.

**MUNICIPALIDAD DE SAN PEDRO.**

**SUBSECRETARÍA DE SALUD.**

**Sr. SUBSECRETARIO.**

**Dr. JAVIER SUALDEA.**

**S/D.**

**Ref: Copia del Exp. Munic. N° 4107- 1226/2014.**

**De mi mayor consideración:**

**Por la presente élévole copia del expediente de la referencia a fin de evaluar la información solicitada en la Comunicación N° 06 del 20 de febrero de 2014 recibida desde el Honorable Concejo Deliberante.**

**Sin otro particular, saluda atte.**

  
Marcela Baez  
Secretaria Privada  
Municipalidad de San Pedro



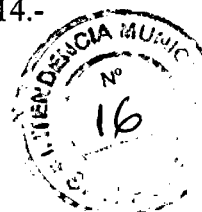
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DEL ORIGINAL

SAN PEDRO (Bs. As.), FEBRERO 21 de 2014.-

Señor  
Intendente Municipal  
Dn. PABLO GUILLERMO GUACONE  
S/D



4107-1226/14



De mi mayor consideración:

27 FEB 2014

Tengo el agrado de dirigirme a Ud., transcribiéndole la siguiente **COMUNICACIÓN N° 06/14**, sancionada por este Honorable Concejo Deliberante.

**COMUNICACIÓN N° 06 del 20 de FEBRERO de 2014**

**VISTO:**

El deterioro del edificio donde funciona el Hospital de San Pedro y los continuos episodios en los cuales se detectan faltantes de elementos del Hospital, de nuestra ciudad y

**CONSIDERANDO:**

Que los vecinos han manifestado su preocupación por las filtraciones de agua de lluvia provenientes de los techos del Hospital.

Que el día 29 de Enero de 2014, como consecuencia de la lluvia caída, nuevamente se inundaron los pasillos y los sectores de Ginecología, Traumatología, Cardiología y Obstetricia.

Que los vecinos ya han presentado su reclamo con respecto a la falta de mantenimiento de los techos, no obteniendo respuesta de parte del Departamento Ejecutivo.

Que las filtraciones de agua generan acumulación de agua en dichos sectores, tornando peligroso la circulación del personal del hospital y de los vecinos.

Que esta situación podría ocasionar lesiones cualquier persona que circula por el lugar.

Que corresponde al Departamento Ejecutivo la ejecución de las obras de reparación pertinentes.

Que por otra parte es necesario resaltar que existen algunas cámaras de Seguridad colocadas en el interior del Hospital Subzonal San Pedro, conforme observara el suscrito y la Concejal Rocca, en la visita efectuada el día 27 de Enero del corriente, pero aparentemente no existen Cámaras de Seguridad en los accesos al nosocomio, ni tampoco en el ingreso de Guardia, ni en el perímetro del Hospital.

Que las mismas serian de mucha utilidad, a efectos de controlar el ingreso y egreso de personas, así como también servir para prevenir hechos delictivos que pudieran desencadenarse, principalmente por los constantes faltantes de elementos del hospital (tenedores, cuchillos platos, etc).

Que lo expuesto mejoraría sosteniblemente la calidad del servicio de salud publica prestado por el Hospital y optimizaría los recursos municipales.

Por ello,

*Prof. Mario Leandro Barrios*  
PRESIDENTE  
HONORABLE CONCEJO DELIBERANTE  
DE SAN PEDRO



*Matías Rafael Chaves*  
SECRETARIO LEGISLATIVO  
HONORABLE CONCEJO DELIBERANTE  
DE SAN PEDRO



ES COPIA FIEL  
DEL ORIGINAL

**EL HONORABLE CONCEJO DELIBERANTE DE SAN PEDRO,  
en uso de sus atribuciones**

**RESUELVE**

**Art. 1°.-** Solicitase al Departamento Ejecutivo que informe el estado edilicio del inmueble donde funciona el Hospital Subzonal San Pedro, fundamentalmente en los pasillos del mismo y en los techos de los sectores de Ginecología, Traumatología, Cardiología y Obstetricia.

**Art. 2°.-** Solicitase al Departamento Ejecutivo proceder a tomar las medidas necesarias para la conservación de los techos, a efectos de evitar futuras filtraciones de agua.

**Art. 3°.-** Solicitase al Departamento Ejecutivo que informe:

a) Cantidad de cámaras de seguridad que se encuentran instaladas en el Hospital, tanto en los pasillos como en el resto del inmueble, comprendiendo también todo el perímetro del mismo.

b) Si las mismas se encuentran conectadas y en funcionamiento coordinado con el área de vigilancia y monitoreo del municipio.

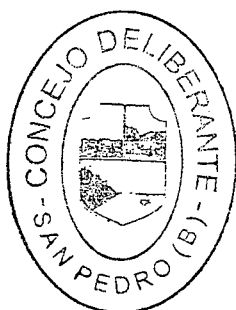
En caso afirmativo, informe periodo de Tiempo durante el cual el Departamento Ejecutivo reserva la grabación de las filmaciones realizadas.

**Art. 4°.-** En caso de no existir cámaras de seguridad en los ingresos al Hospital, solicitase al Departamento Ejecutivo Municipal que tome las medidas necesarias para su instalación, a efectos de que fiscalizar los ingresos y egresos de bienes personal y público en general para mejorar el servicio de salud pública.

**Art. 5°.-** Comuníquese al Departamento Ejecutivo Municipal, dése al Registro del Honorable Concejo Deliberante y archívese.

-----  
Dada en la Sala de Sesiones del Honorable Concejo Deliberante de San Pedro, a los VEINTE días del mes de FEBRERO del año DOS MIL CATORCE.-

  
Matias Rafael Chaves  
SECRETARIO LEGISLATIVO  
HONORABLE CONCEJO DELIBERANTE  
DE SAN PEDRO



  
Prof. Mario Leandro Barbieri  
PRESIDENTE  
HONORABLE CONCEJO DELIBERANTE  
DE SAN PEDRO



Lunes 17 de marzo de 2014

Según lo solicitado en la Comunicación n° 06/14 sancionada por el HCD procedemos a detallar lo requerido para clarificar sus inquietudes.

En lo que respecta a lo edilicio, se han tomado determinaciones en carácter de urgencia, considerando las catástrofes climáticas sufridas en nuestra ciudad en los últimos meses, por lo que se realizaron tareas exhaustivas para refaccionar las áreas mencionadas en la Comunicación 06/14 y otras que también se veían perjudicadas, con un trabajo intensivo del personal y la colaboración de comerciantes de nuestra ciudad con donaciones de material que permitió agilizar las tareas.

En Cd adjunto, se podrá observar con imágenes ilustrativas, el trabajado realizado.

Haciendo referencia a las cámaras, el Hospital cuenta con 17 cámaras, las cuales registran imágenes del interior del edificio, incluyendo todas las áreas y los patios de acceso por calle Belgrano y Auli. Así como también los ingresos capturados desde el interior. El periodo de grabación es de 7:00hs. Ya se han realizado las gestiones pertinentes con el objetivo de obtener equipamiento que permita extender el horario de grabación.

Sin otro particular,  
Saluda atentamente

Dr. Javier A. Sualdea  
M.P. 62433  
SUBSECRETARIO DE SALUD  
MUNICIPALIDAD DE SAN PEDRO



Hospital Subzonal San Pedro  
**Subsecretaría de Salud**  
**Municipalidad de San Pedro**



Lunes 17 de marzo de 2014

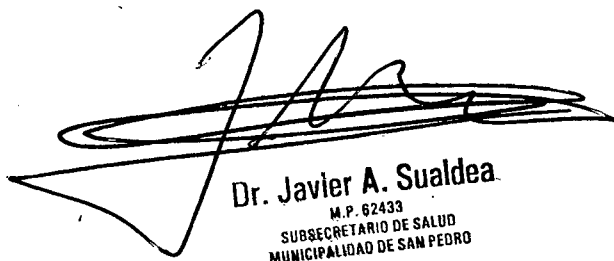
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Sin otro particular,  
Saluda atentamente

  
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